2SB1320A

Silicon PNP epitaxial planer type

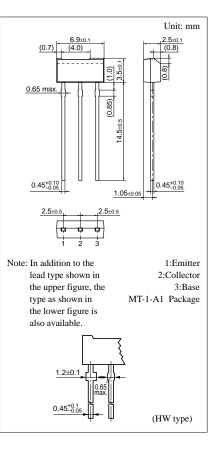
For general amplification Complementary to 2SD1991A

Features

- High foward current transfer ratio h_{FE}.
- Allowing supply with the radial taping.

Absolute Maximum Radings (1a=25 C)						
Jnit						
V						
V						
V						
nA						
nA						
nW						
°C						
°C						
°C						

Absolute Maximum Ratings (Ta=25°C)

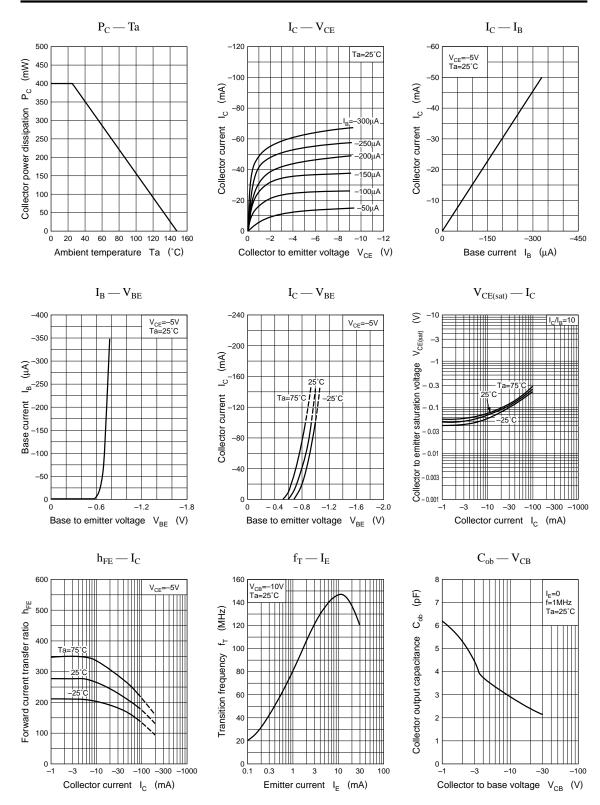


Electrical Characteristics (Ta=25°C)

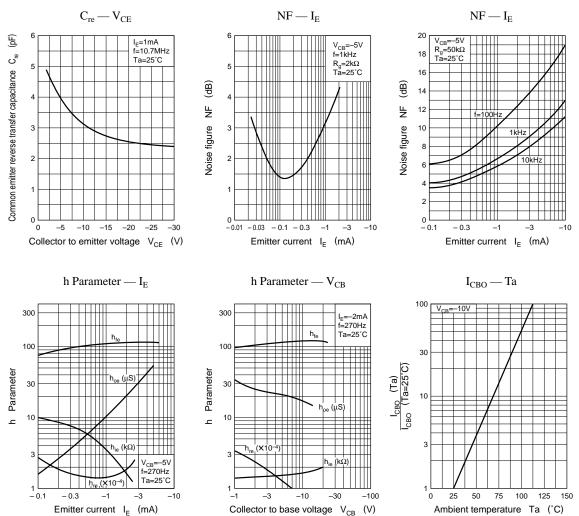
Parameter	Symbol	Conditions min		typ	max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = -20V, I_E = 0$			-1	μΑ
	I _{CEO}	$V_{CE} = -20V, I_B = 0$			-1	μΑ
Collector to base voltage	V _{CBO}	$I_{\rm C} = -10 \mu A, I_{\rm E} = 0$	-60			V
Collector to emitter voltage	V _{CEO}	$I_C = -2mA$, $I_B = 0$	-50			v
Emitter to base voltage	V _{EBO}	$I_{\rm E} = -10 \mu A, I_{\rm C} = 0$	-7			V
Forward current transfer ratio	h _{FE} *1	$V_{CE} = -10V, I_C = -2mA$	160		460	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = -100 {\rm mA}, I_{\rm B} = -10 {\rm mA}$			-1	V
Transition frequency	f _T	$V_{CB} = -10V, I_E = 1mA, f = 200MHz$		80		MHz
Collector output capacitance	C _{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		3.5		pF

*1hFE Rank classification

Rank	Q	R	S
h _{FE}	160 ~ 260	210 ~ 340	290 ~ 460



Transistor



Ambient temperature Ta (°C)

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